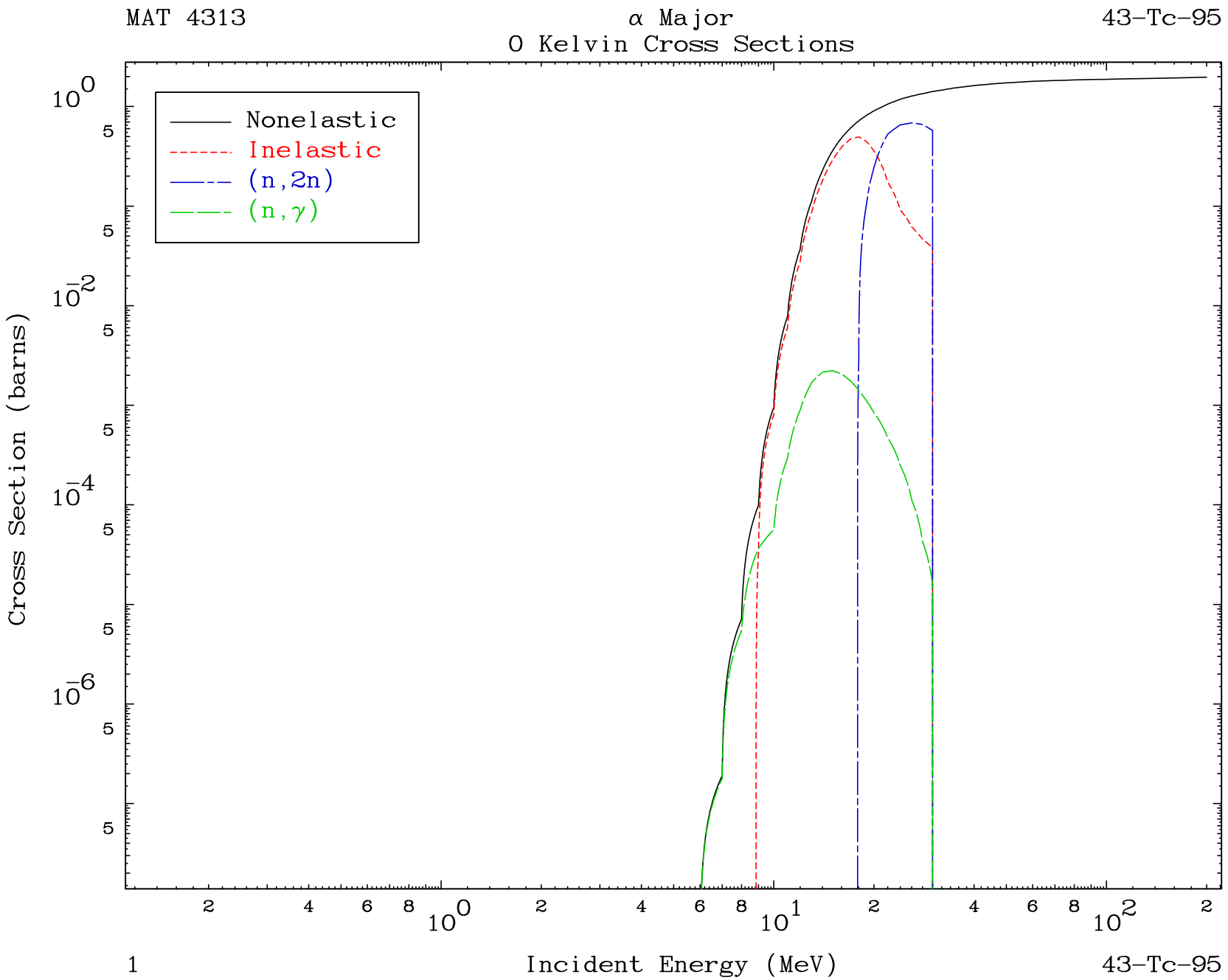
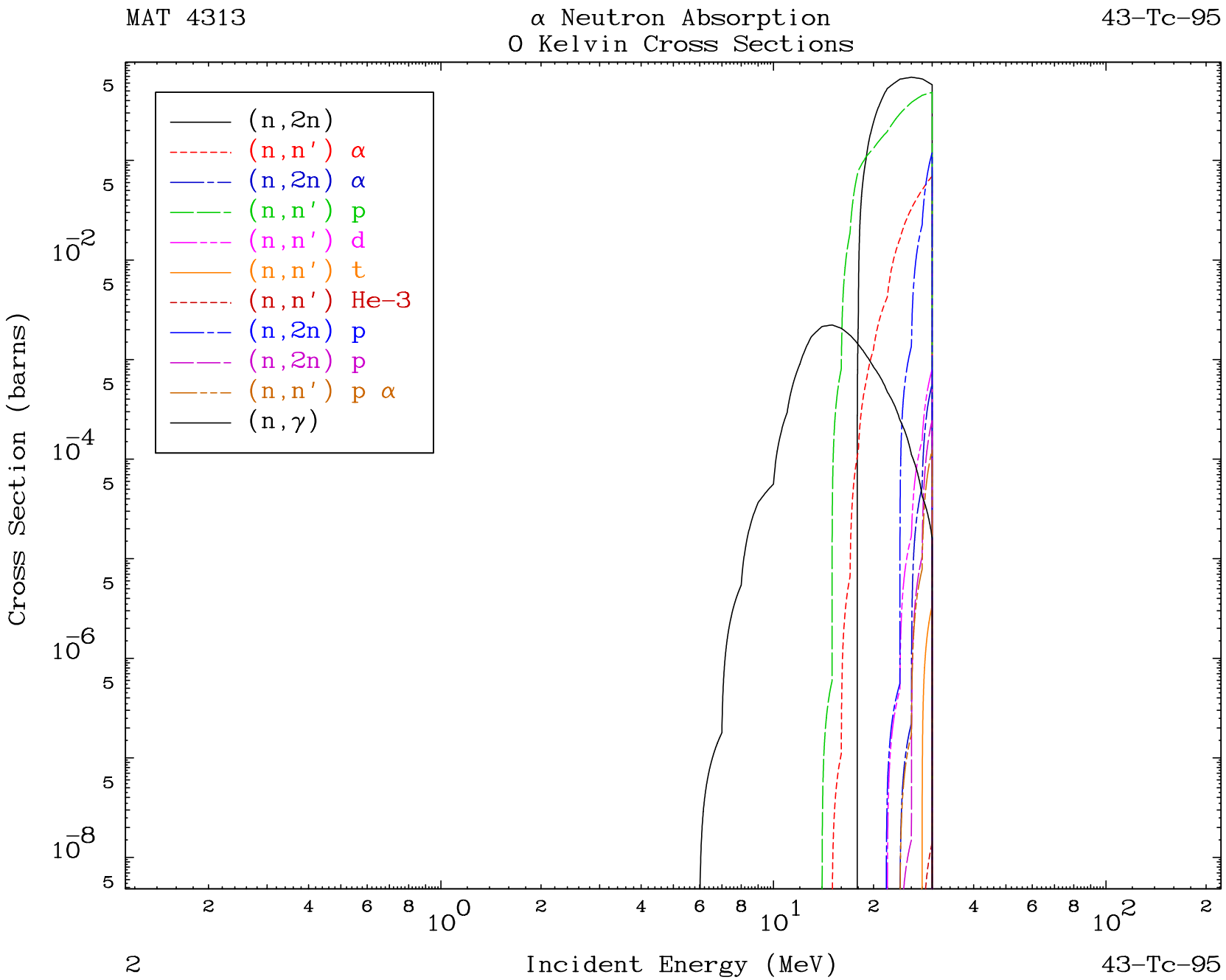
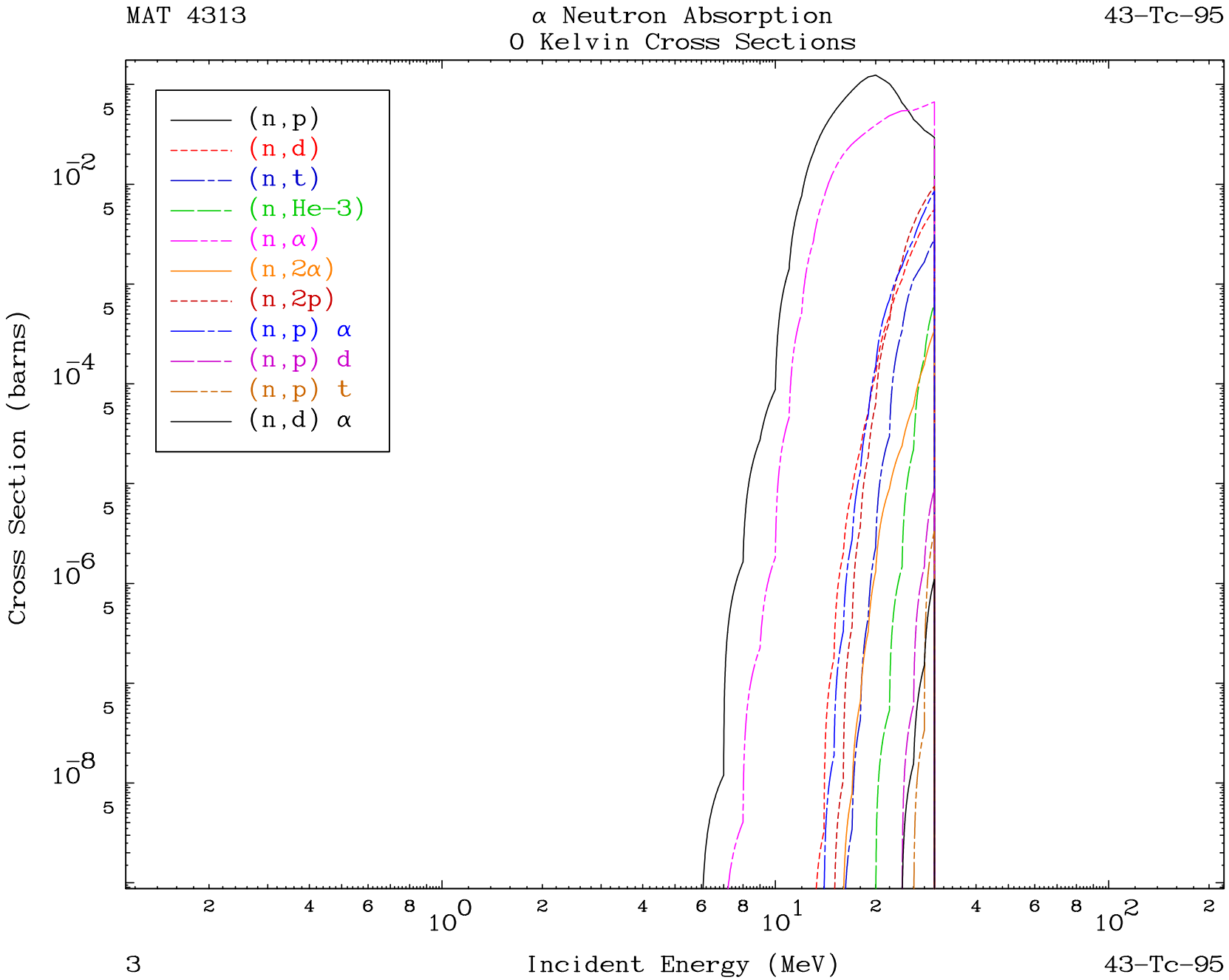
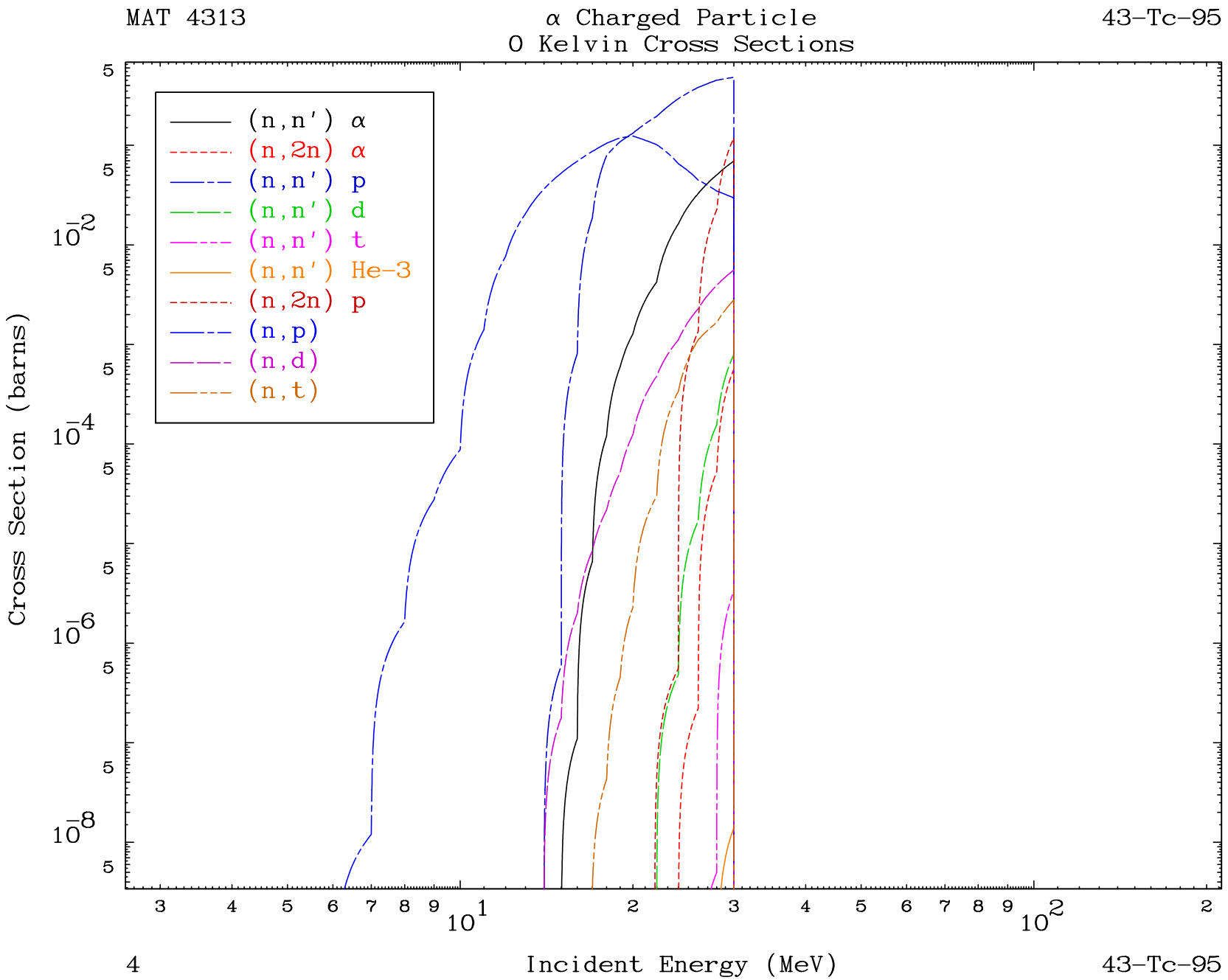
Program EVALPLOT
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

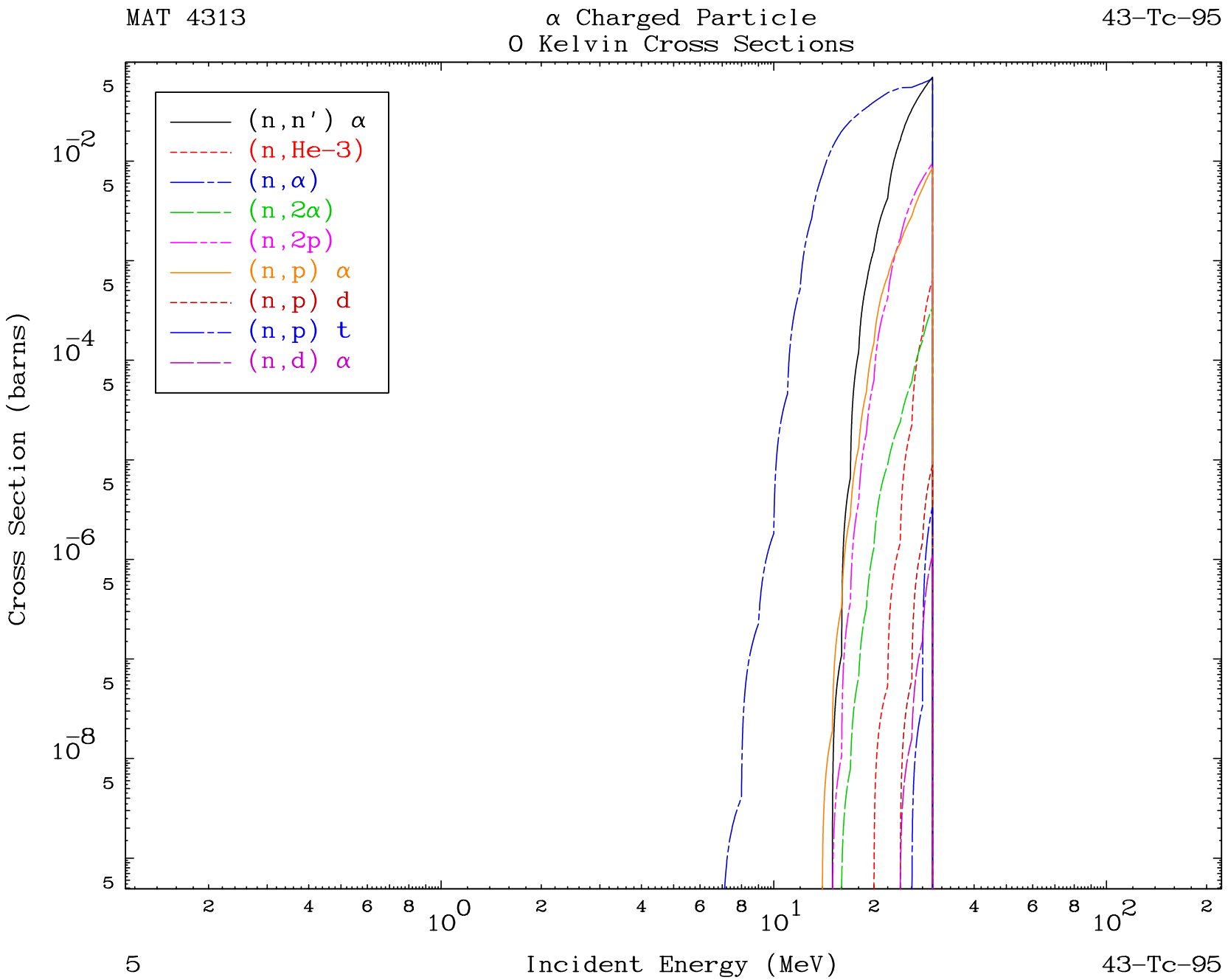
Press Mouse Button to Start

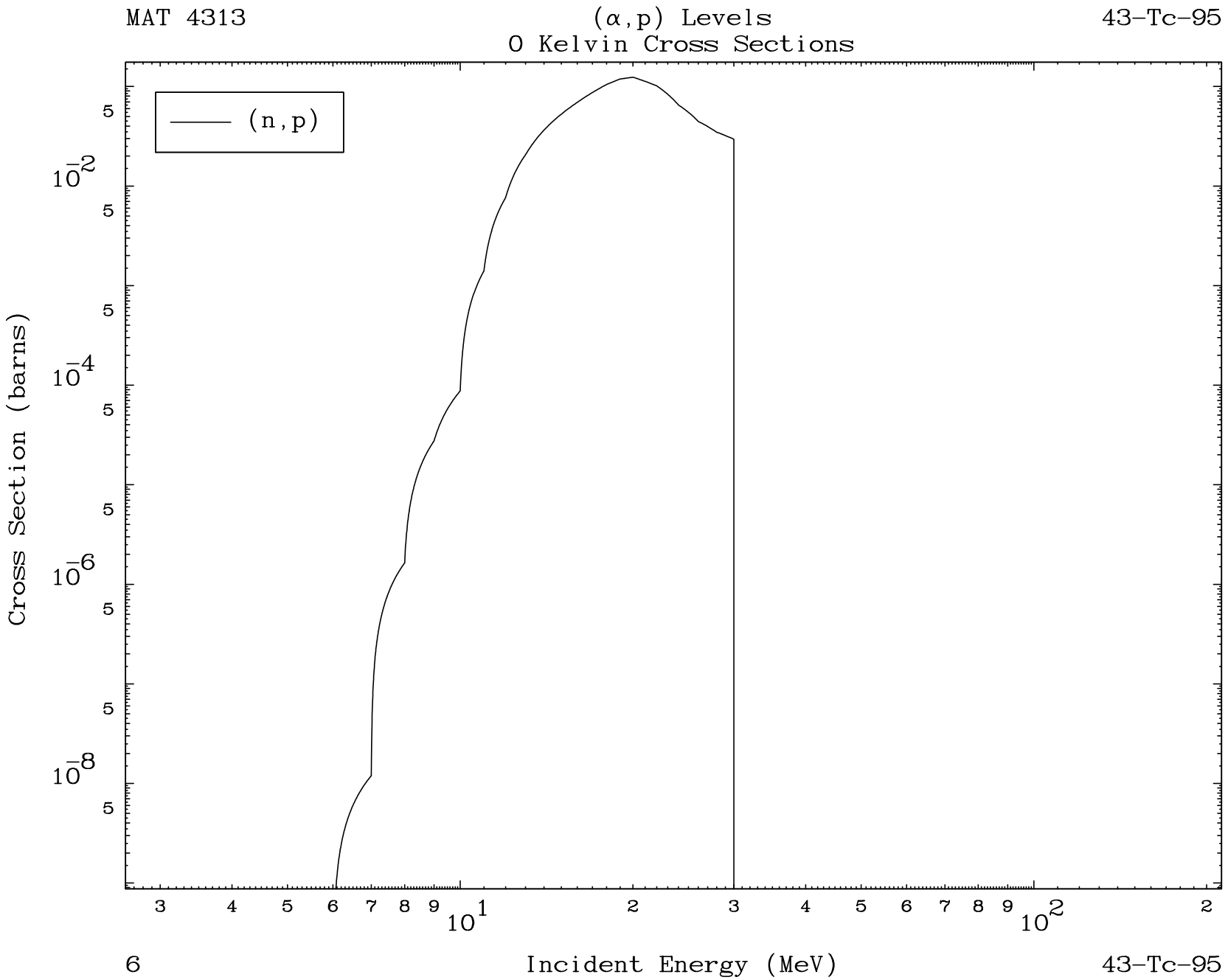

MAT 4313
α Major
43-Tc-95
0 Kelvin Cross Sections
Nonelastic
Inelastic
(n,2n)
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
1
43-Tc-95

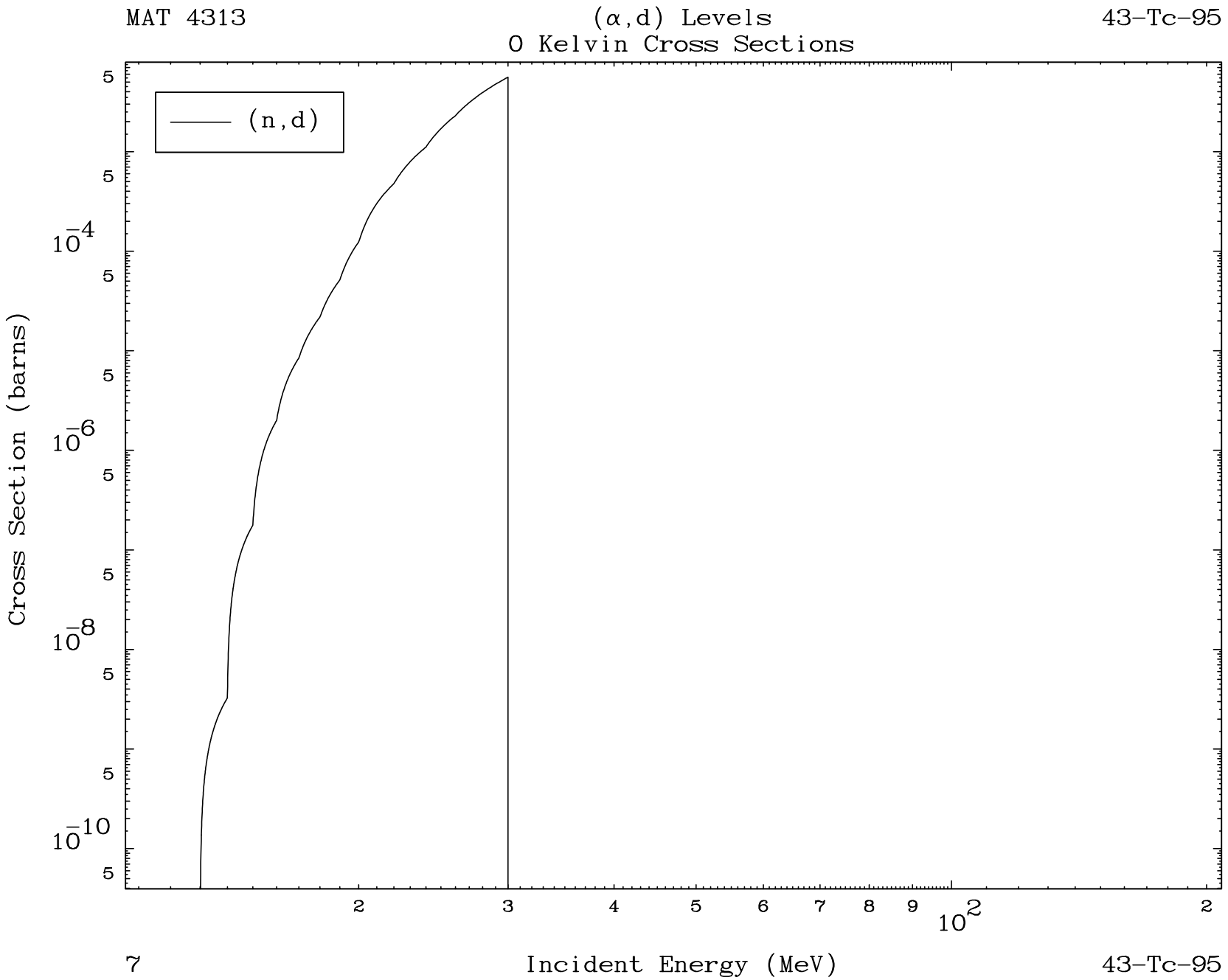

MAT 4313
α Neutron Absorption
0 Kelvin Cross Sections
43-Tc-95
(n,2n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,2n) p
(n,n') p α
(n,γ)
Cross Section (barns)
Incident Energy (MeV)
2
43-Tc-95


MAT 4313
α Neutron Absorption
0 Kelvin Cross Sections
43-Tc-95
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
3
43-Tc-95

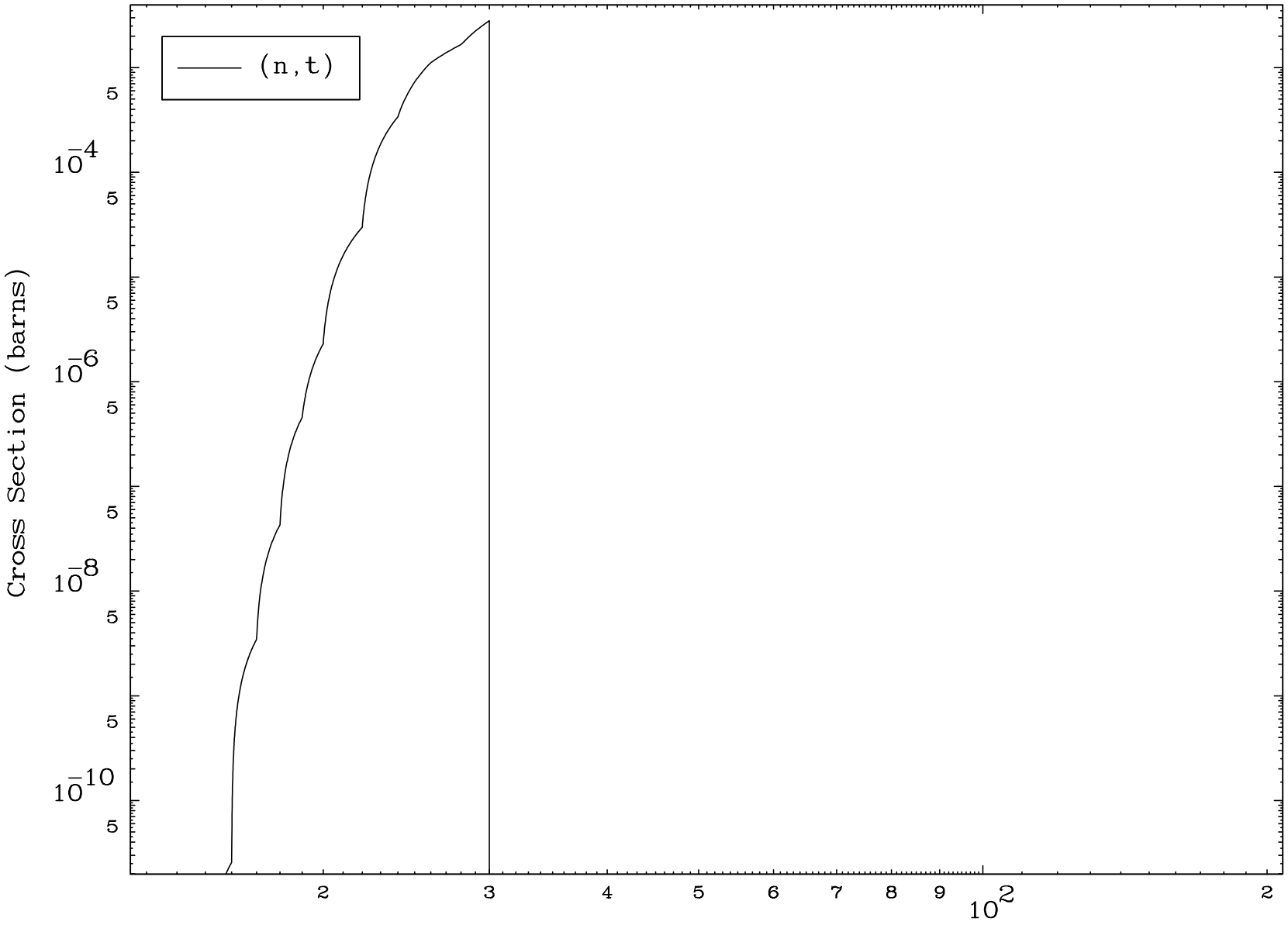

MAT 4313
α Charged Particle
0 Kelvin Cross Sections
43-Tc-95
(n,n') α
(n,2n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,p)
(n,d)
(n,t)
Cross Section (barns)
Incident Energy (MeV)
4
43-Tc-95


MAT 4313
α Charged Particle
0 Kelvin Cross Sections
43-Tc-95
(n,n') α
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
43-Tc-95

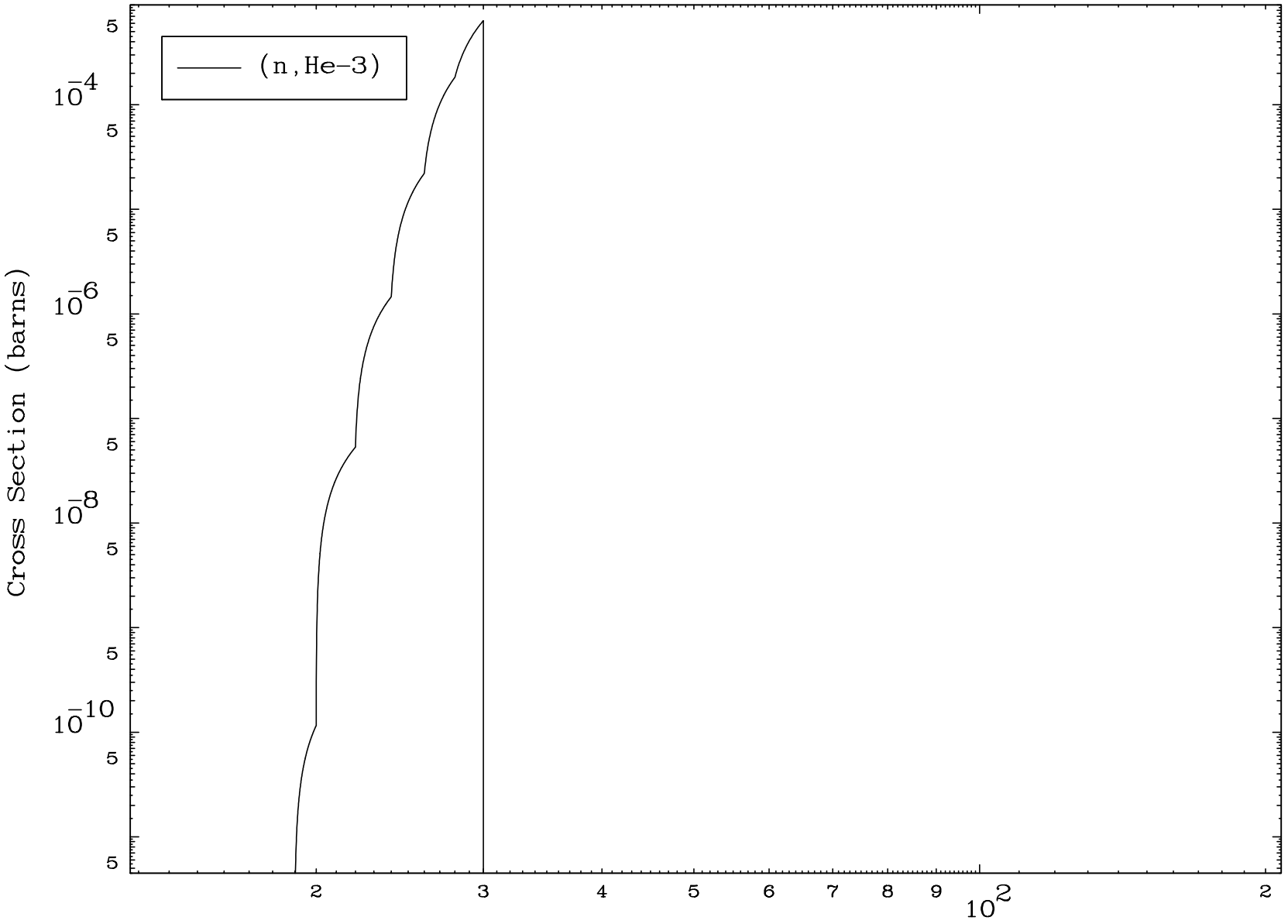

MAT 4313
(α,p) Levels
43-Tc-95
0 Kelvin Cross Sections
(n,p)
Cross Section (barns)
10-2
10-4
10-6
10-8
5
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
6
43-Tc-95

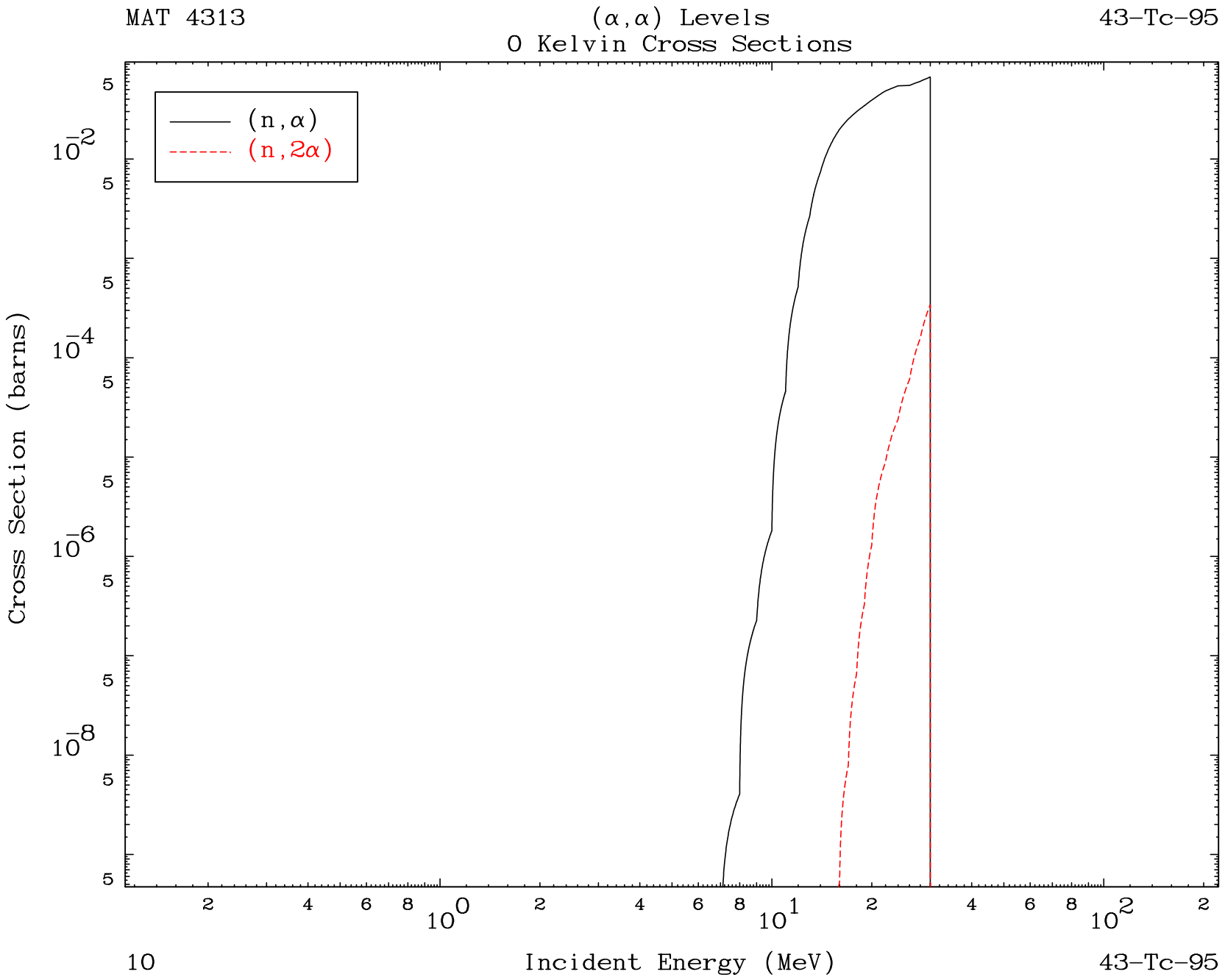

MAT 4313
(α,d) Levels
43-Tc-95
0 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
7
43-Tc-95

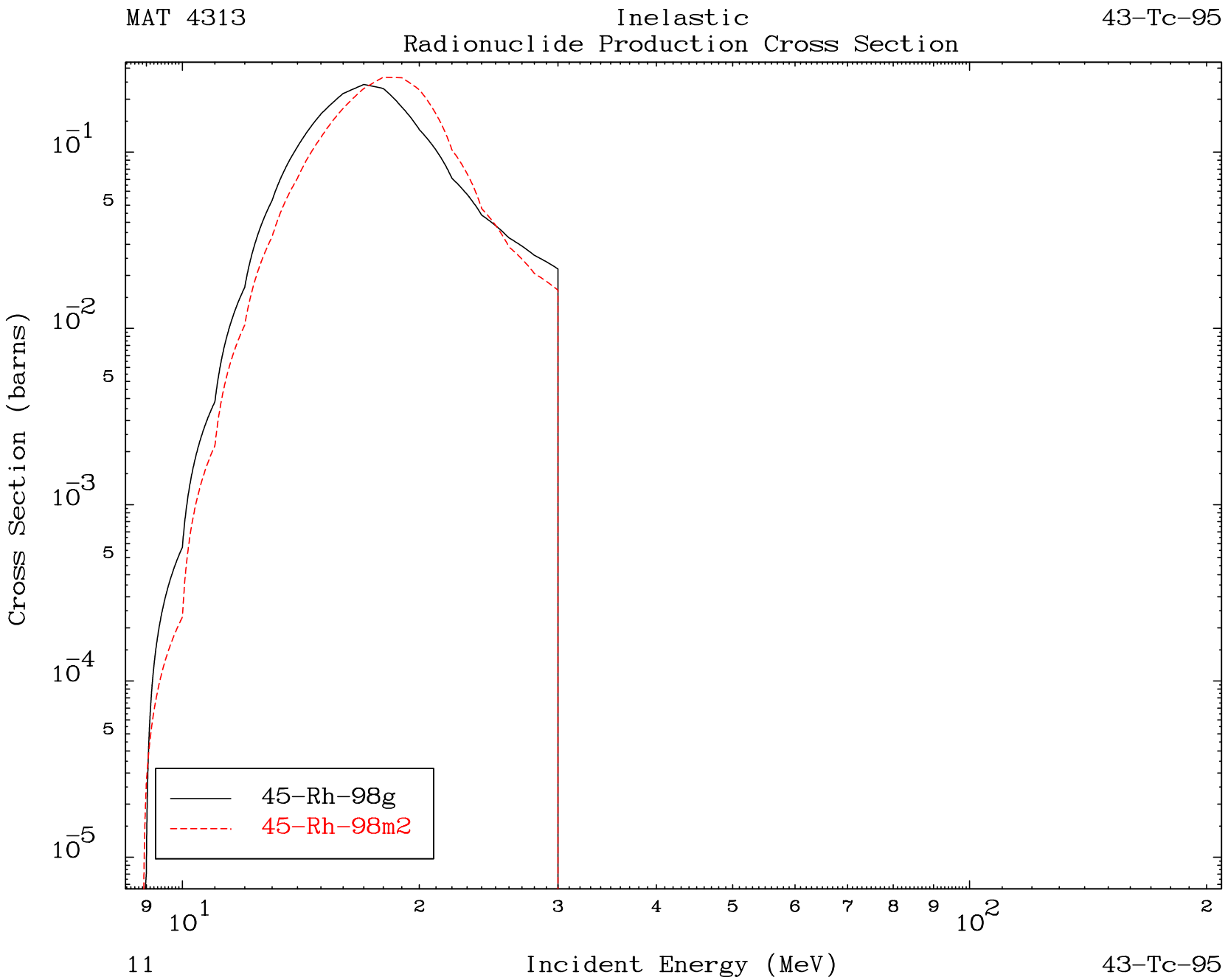
0 Kelvin Cross Sections

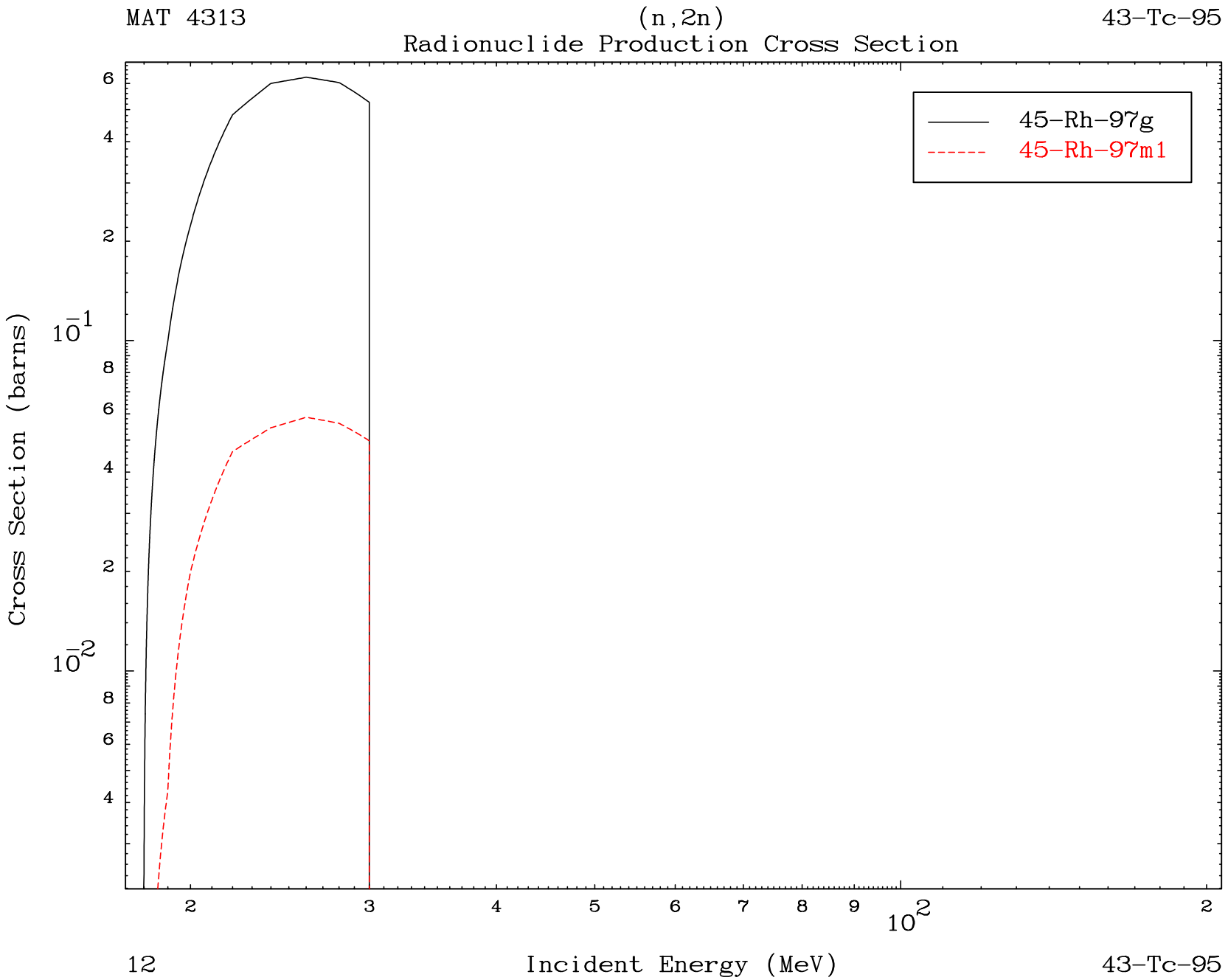


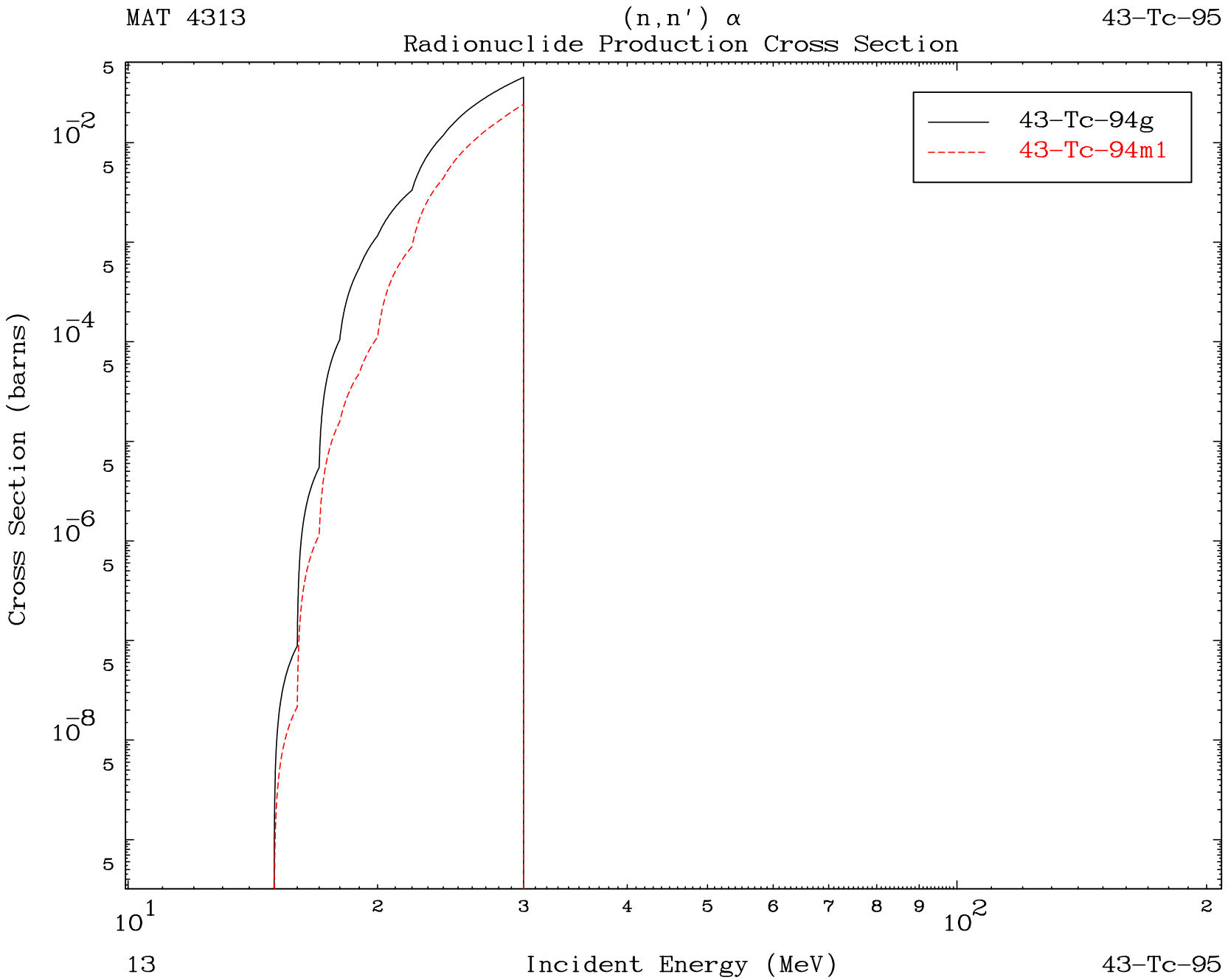
0 Kelvin Cross Sections

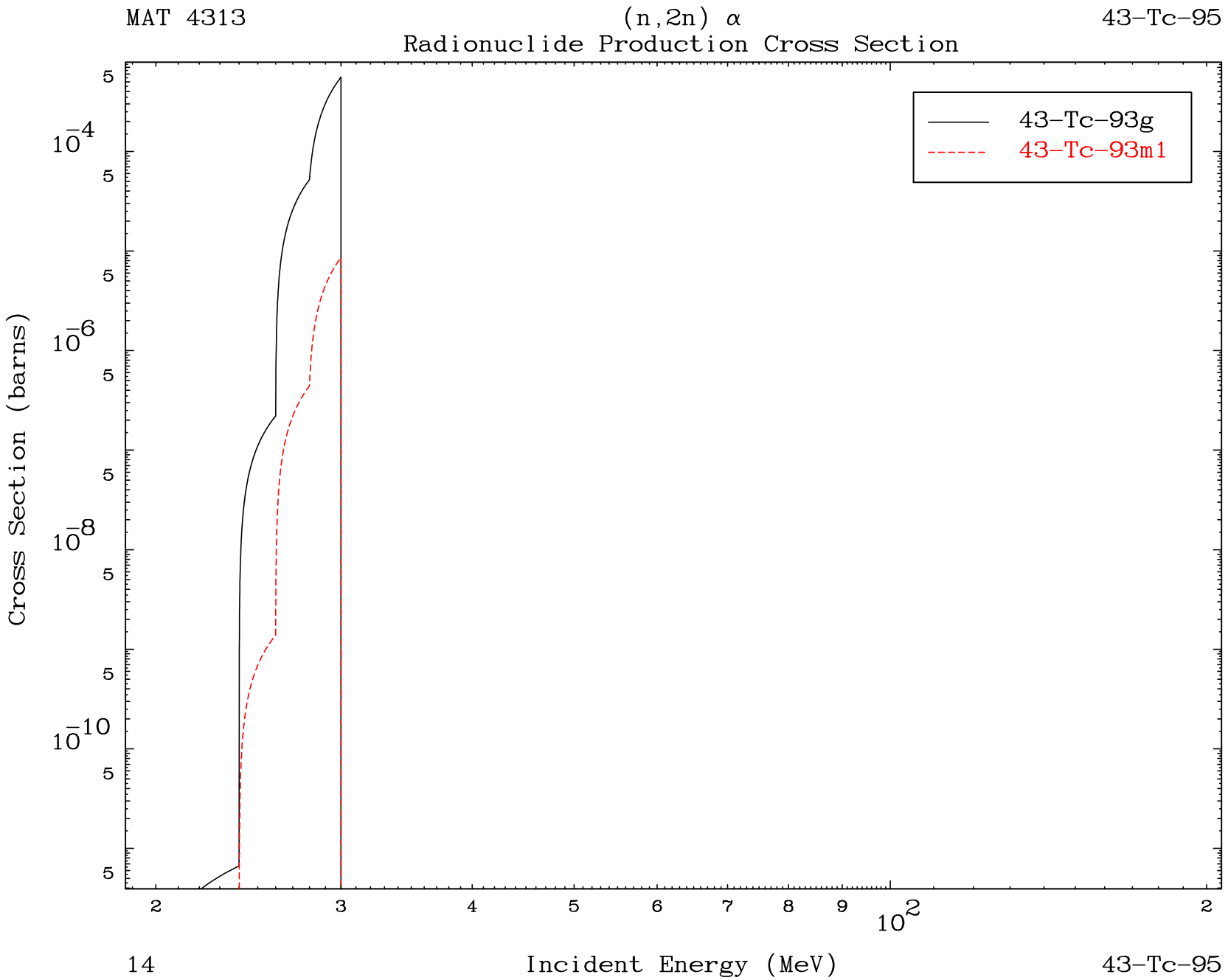


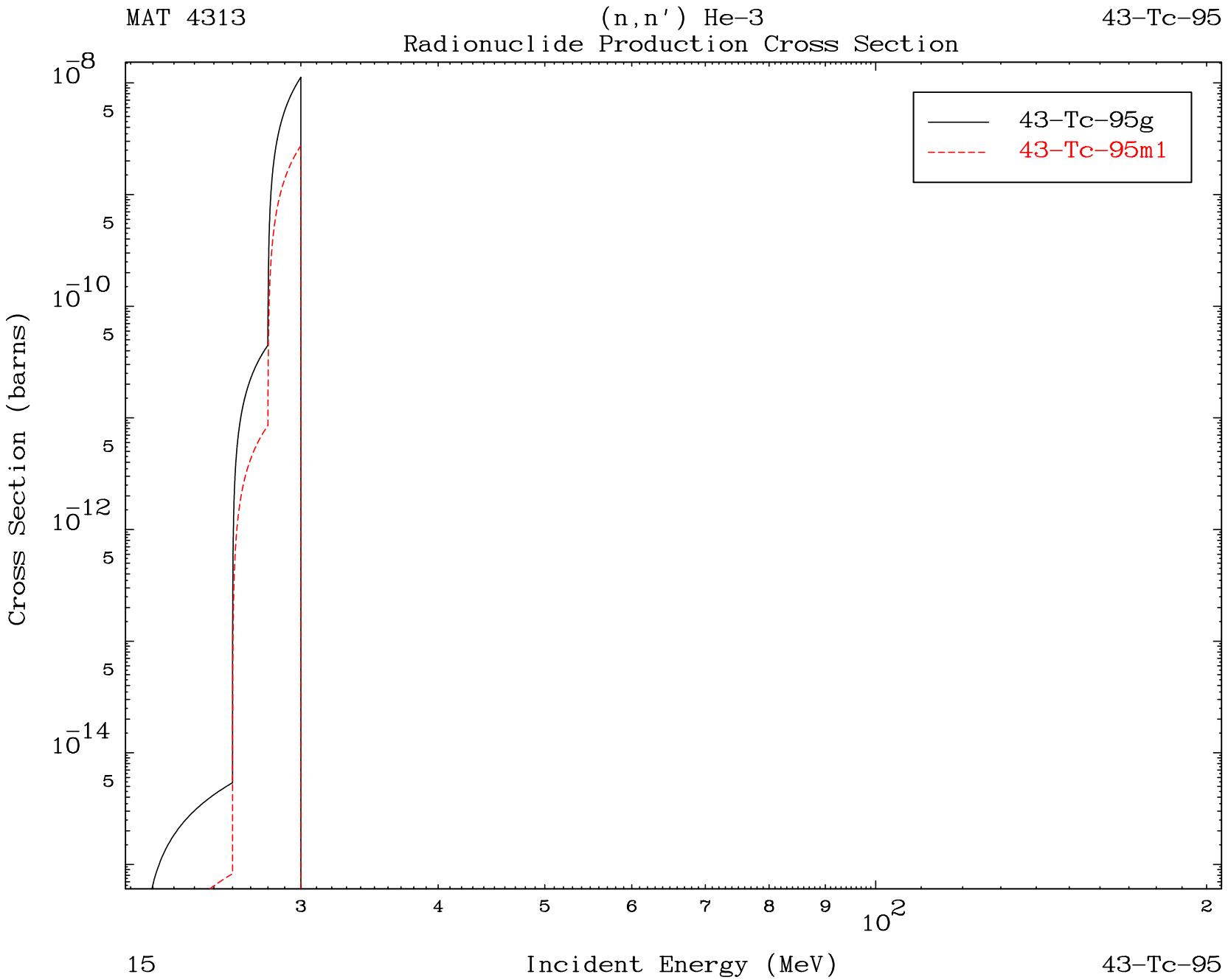

MAT 4313
(α,α) Levels
43-Tc-95
0 Kelvin Cross Sections
(n,α)
(n,2α)
Cross Section (barns)
Incident Energy (MeV)
43-Tc-95

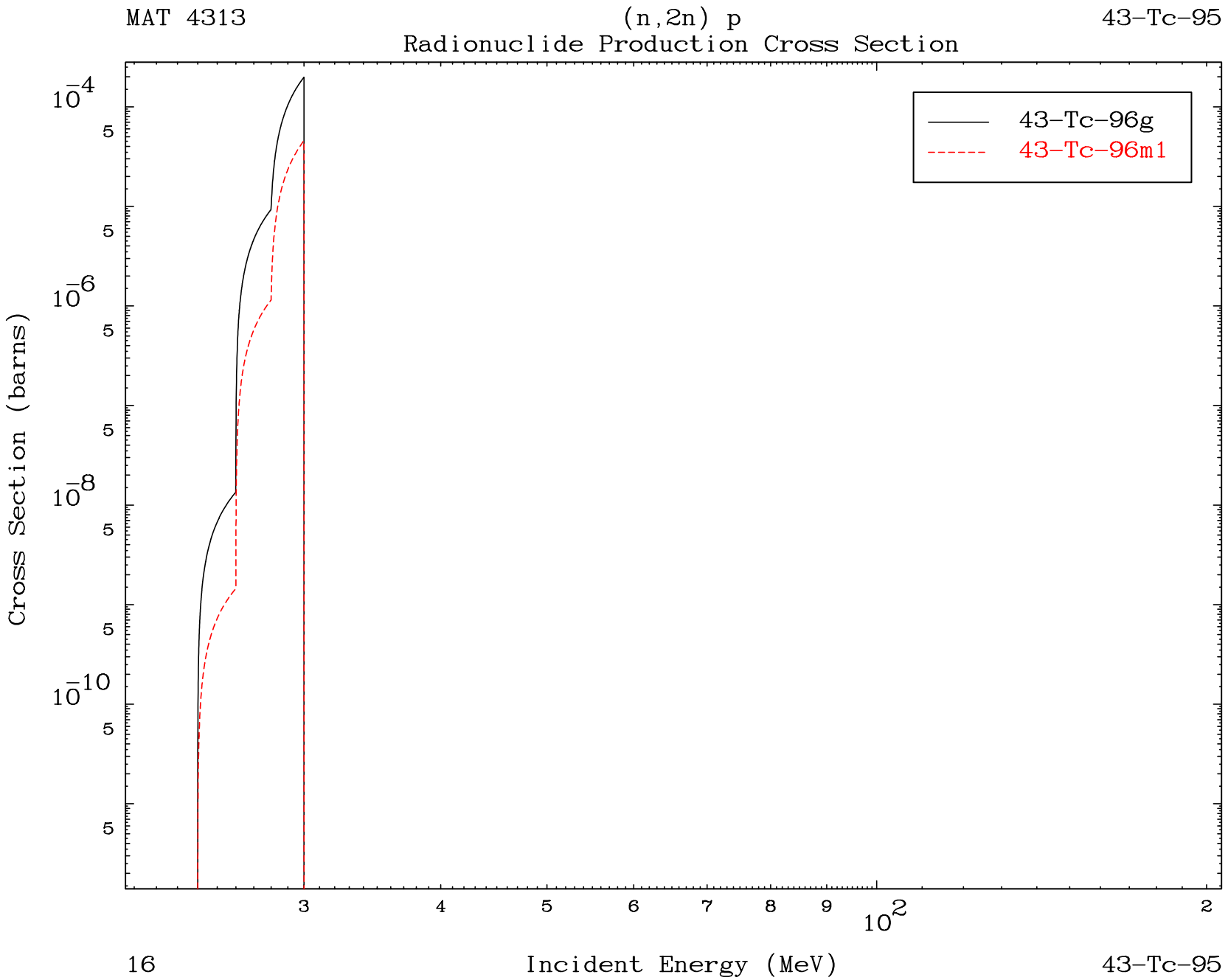

MAT 4313
Inelastic
43-Tc-95
Radionuclide Production Cross Section
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
45-Rh-98g
45-Rh-98m2
9
10 1
2
3
4
5
6
7
8
9
10 2
2
11
Incident Energy (MeV)
43-Tc-95

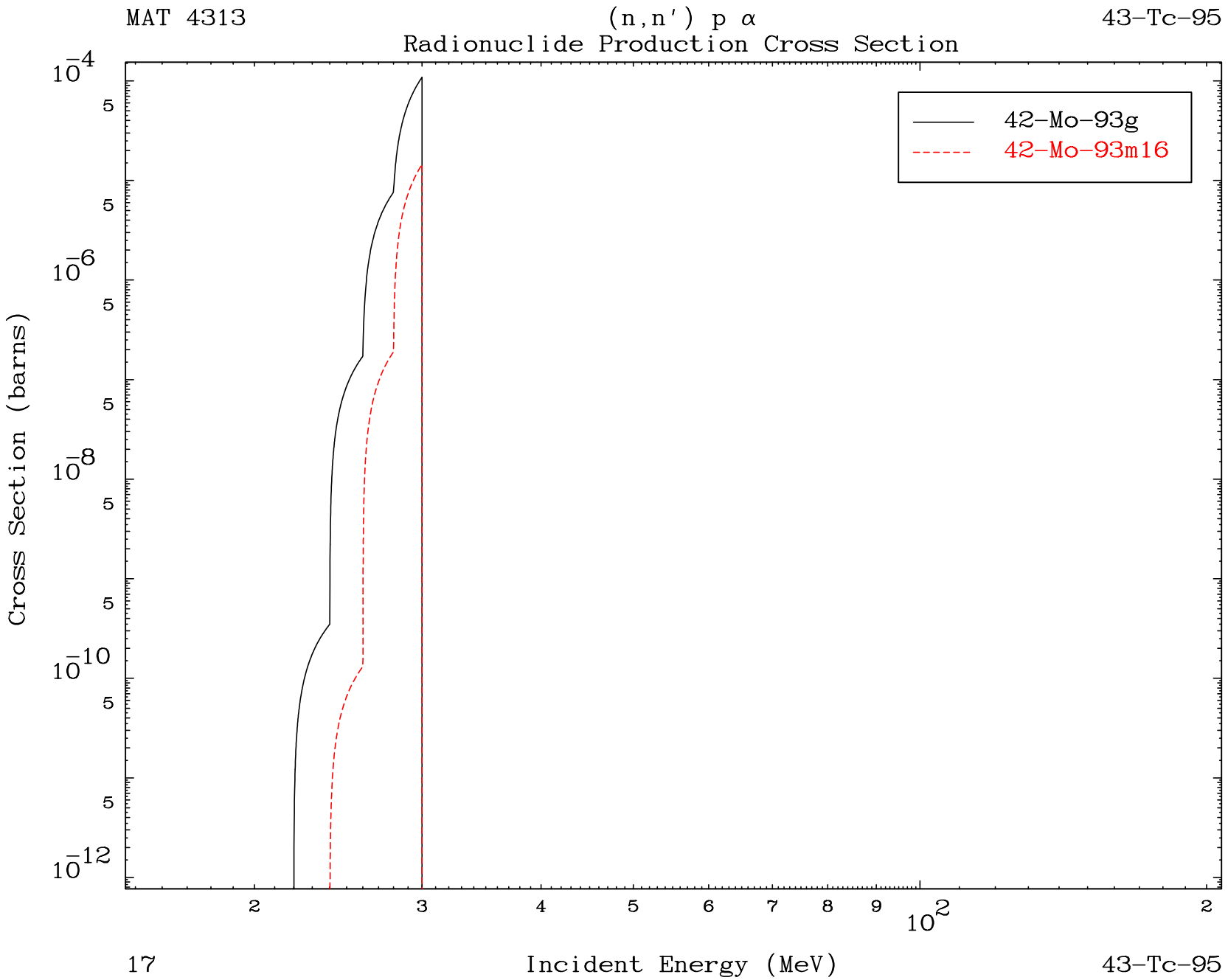

MAT 4313
(n,2n)
43-Tc-95
Radionuclide Production Cross Section
45-Rh-97g
45-Rh-97m1
Cross Section (barns)
Incident Energy (MeV)
12
43-Tc-95

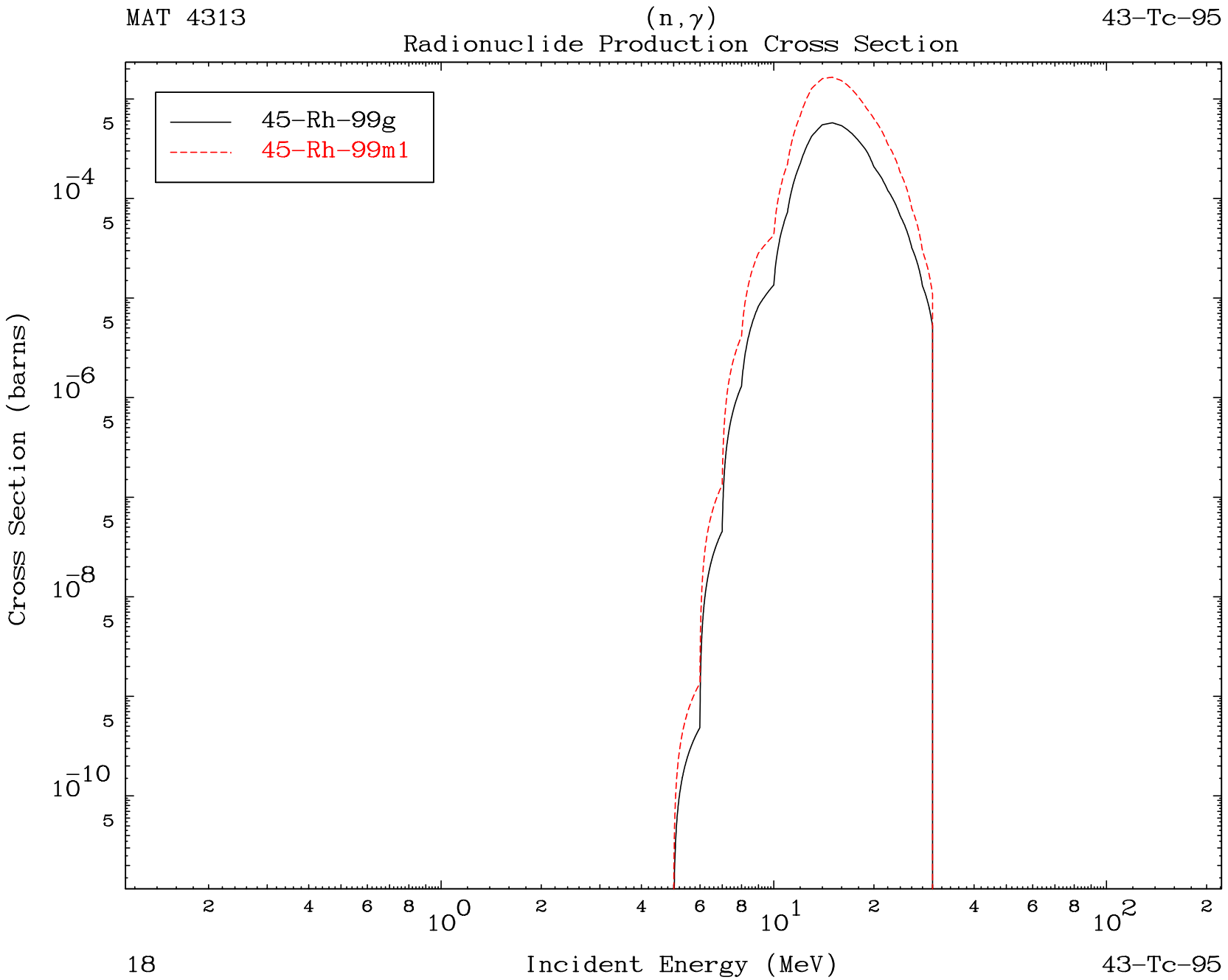

MAT 4313
(n,n') α
43-Tc-95
Radionuclide Production Cross Section
43-Tc-94g
43-Tc-94m1
Cross Section (barns)
Incident Energy (MeV)
13
43-Tc-95

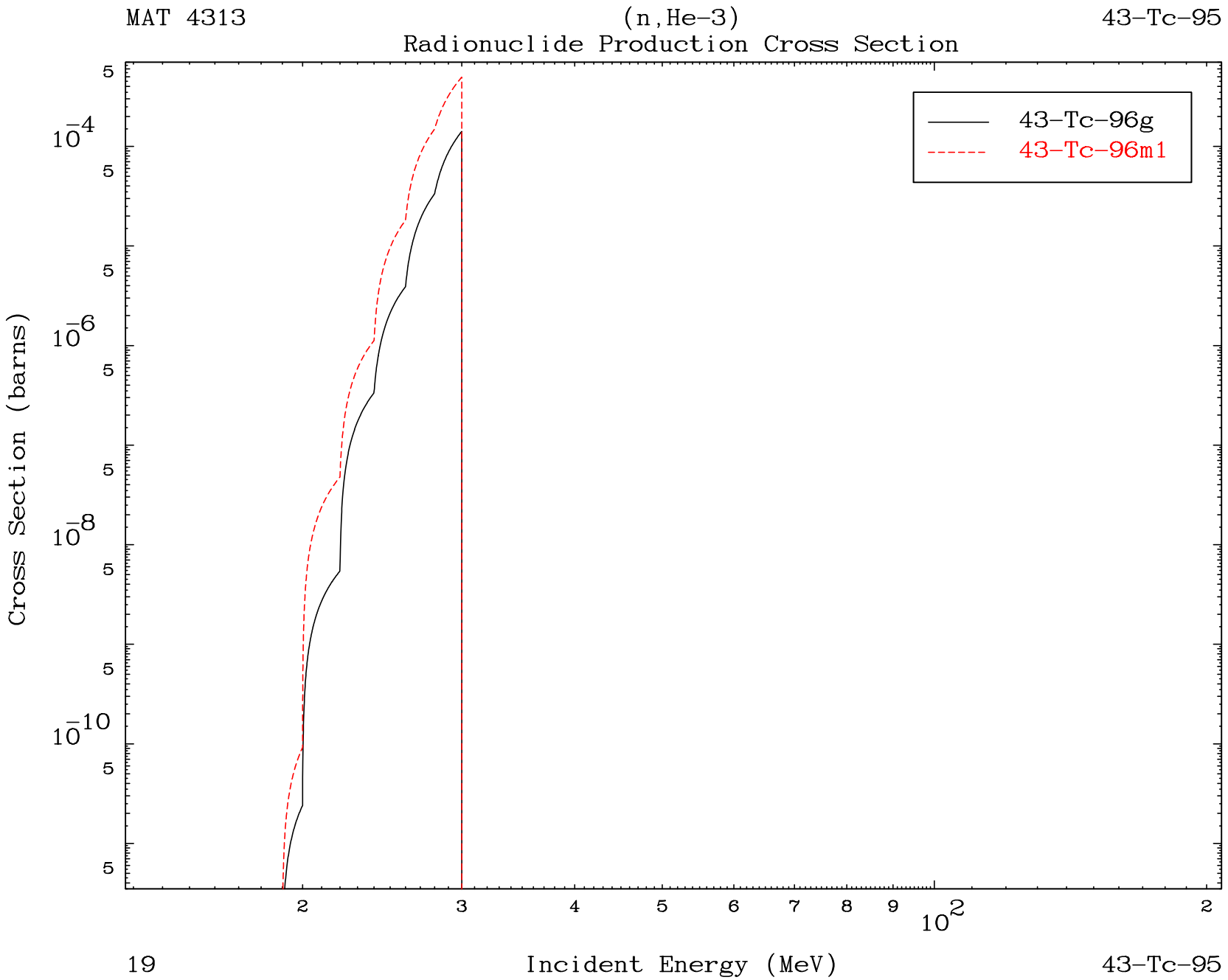

MAT 4313
(n,2n) α
43-Tc-95
Radionuclide Production Cross Section
43-Tc-93g
43-Tc-93m1
Cross Section (barns)
Incident Energy (MeV)
14
43-Tc-95

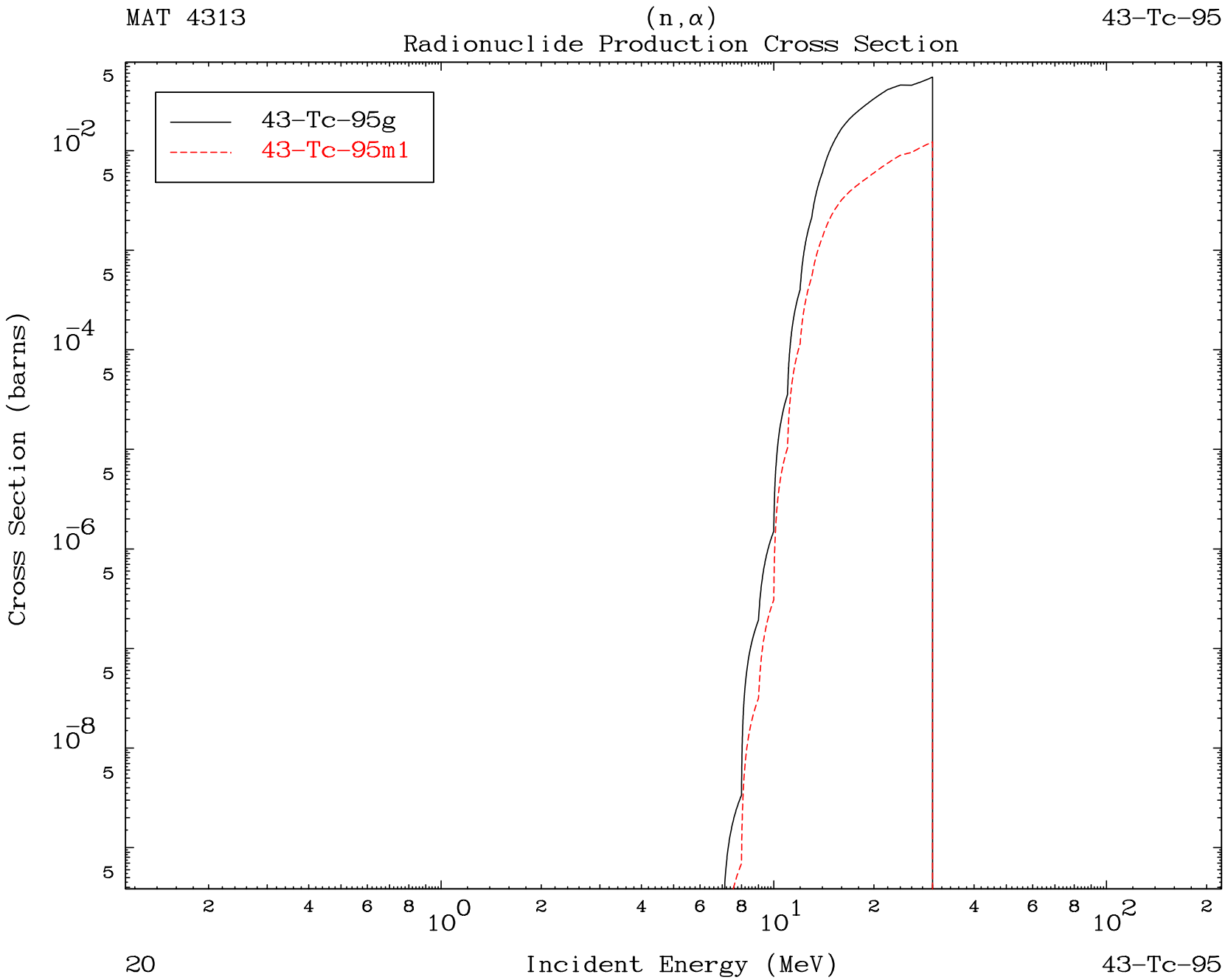

MAT 4313
(n,n') He-3
43-Tc-95
Radionuclide Production Cross Section
43-Tc-95g
43-Tc-95m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
43-Tc-95

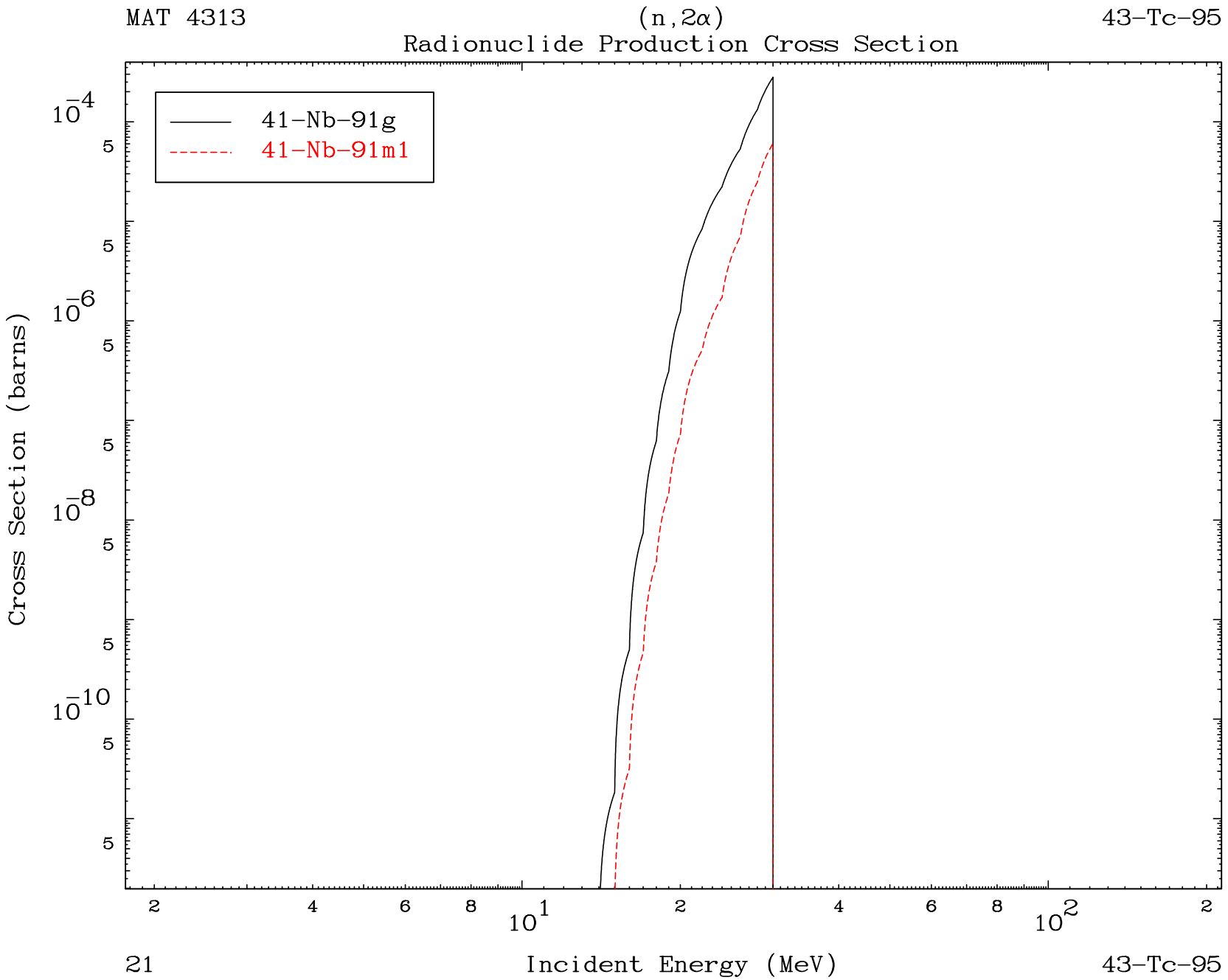

MAT 4313
(n,2n) p
43-Tc-95
Radionuclide Production Cross Section
43-Tc-96g
43-Tc-96m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
16
Incident Energy (MeV)
43-Tc-95

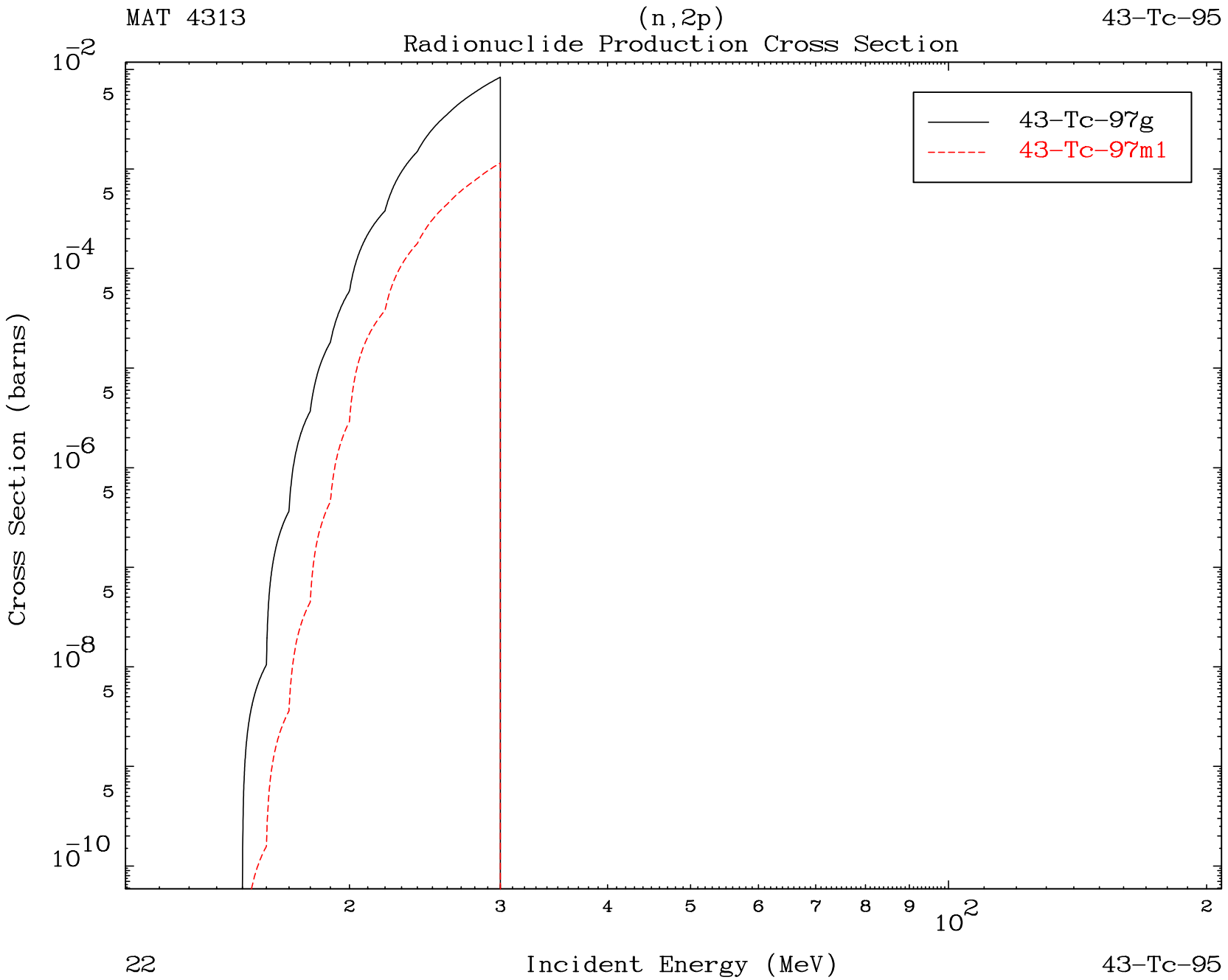

MAT 4313
(n,n') p α
43-Tc-95
Radionuclide Production Cross Section
42-Mo-93g
42-Mo-93m16
Cross Section (barns)
Incident Energy (MeV)
17
43-Tc-95

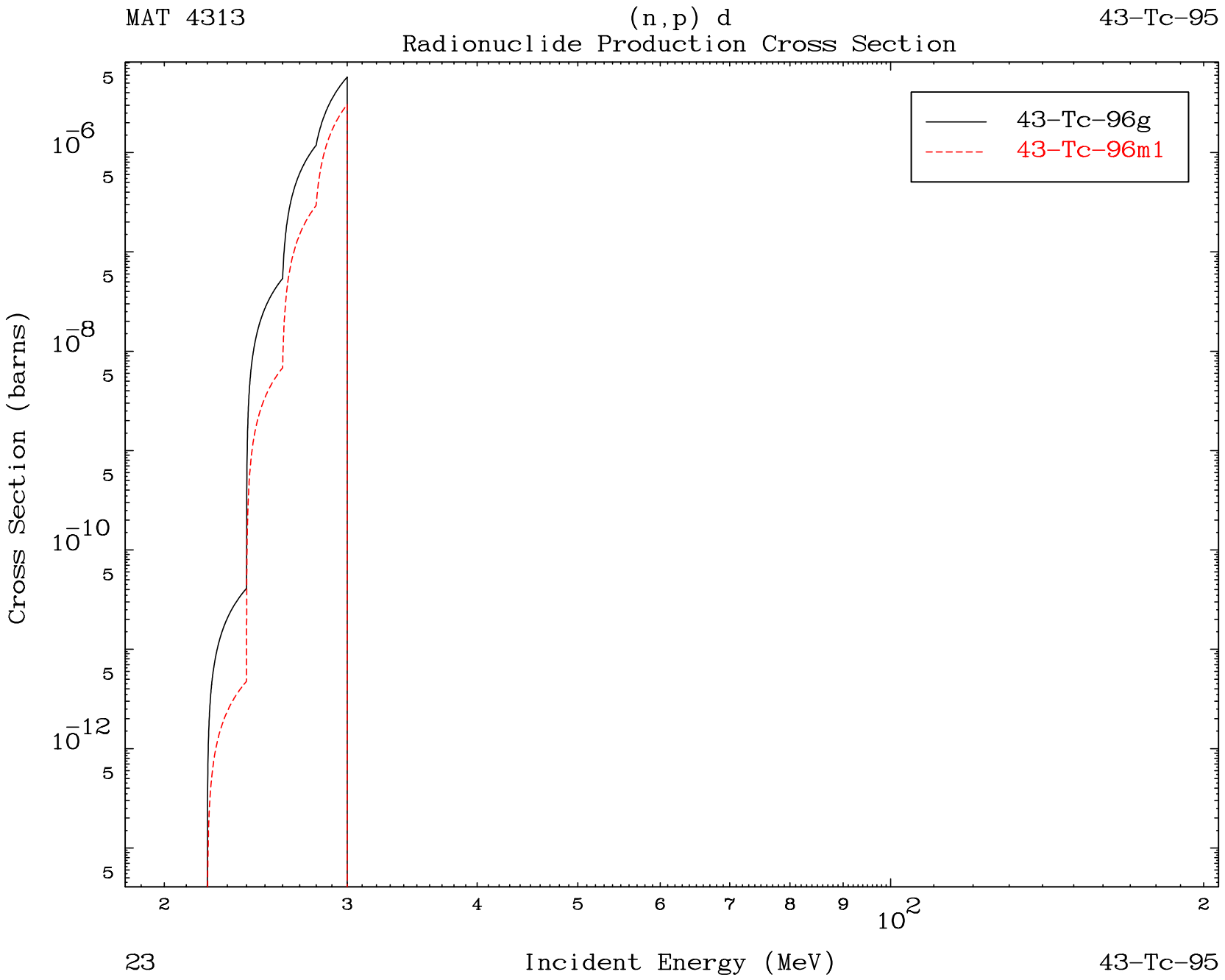

MAT 4313
(n,γ)
43-Tc-95
Radionuclide Production Cross Section
45-Rh-99g
45-Rh-99m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^0
10^1
10^2
Incident Energy (MeV)
18
43-Tc-95

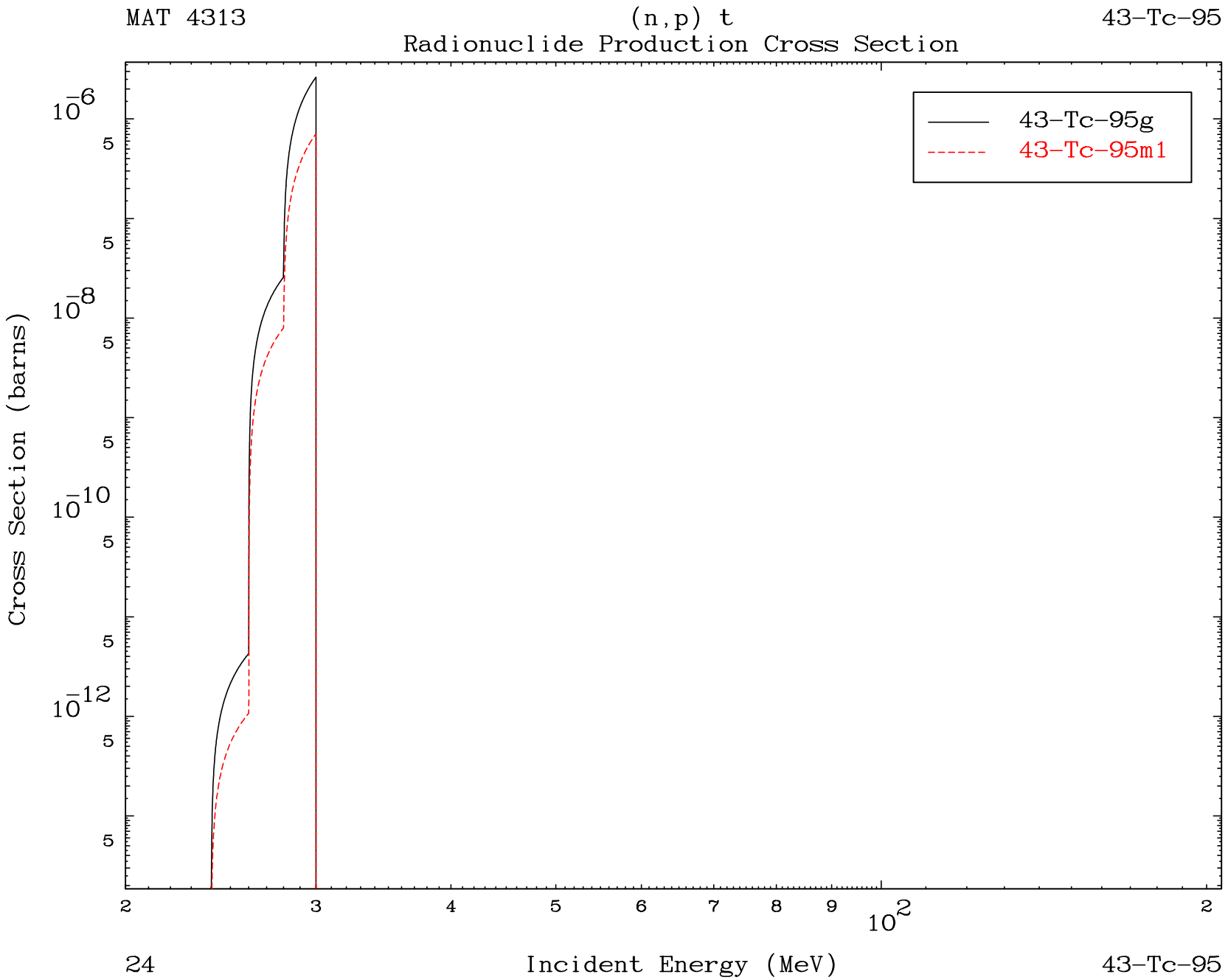

MAT 4313
(n,He-3)
43-Tc-95
Radionuclide Production Cross Section
43-Tc-96g
43-Tc-96m1
Cross Section (barns)
Incident Energy (MeV)
19
43-Tc-95

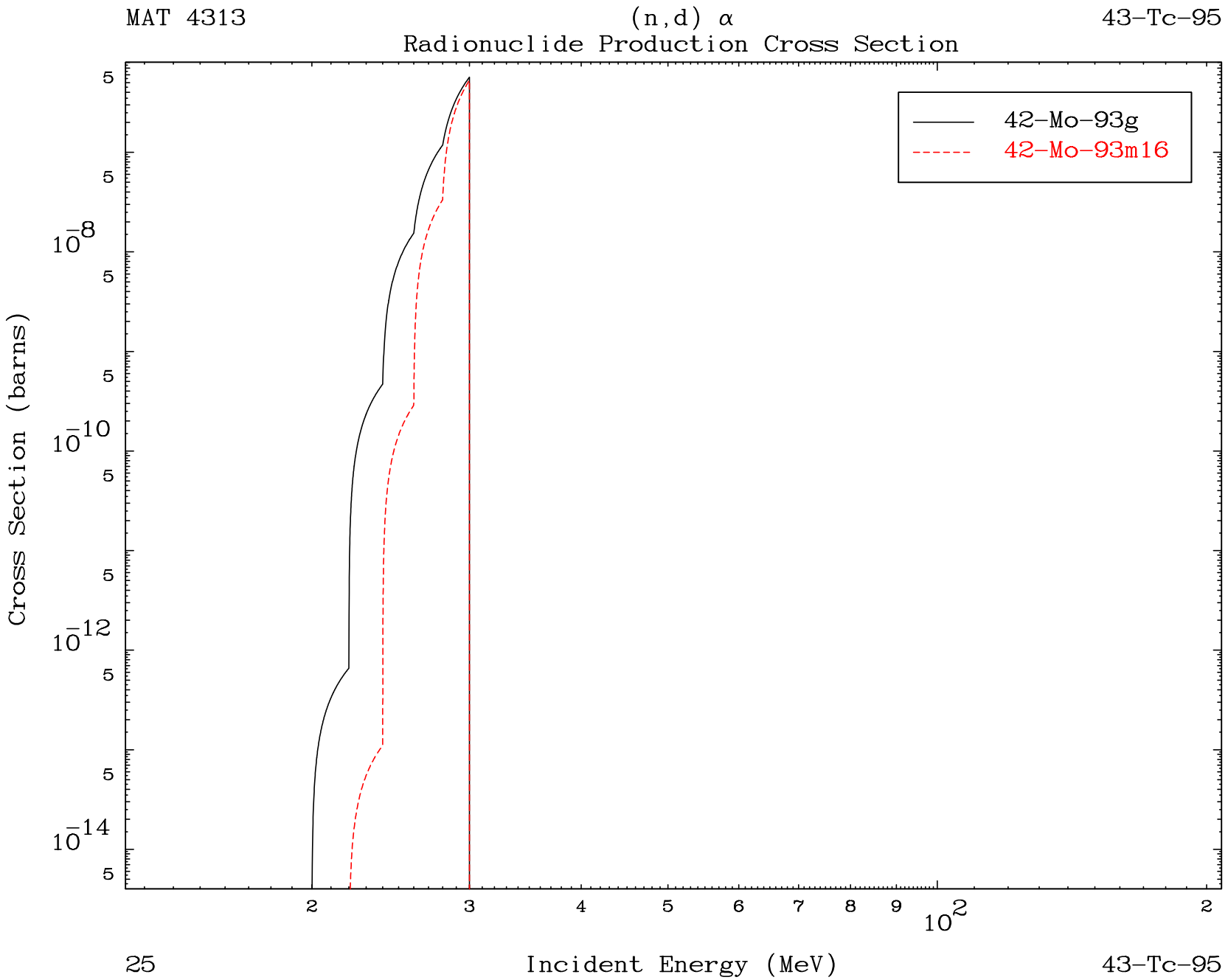

MAT 4313
(n,α)
43-Tc-95
Radionuclide Production Cross Section
43-Tc-95g
43-Tc-95m1
Cross Section (barns)
Incident Energy (MeV)
20
43-Tc-95


MAT 4313
(n,2α)
43-Tc-95
Radionuclide Production Cross Section
41-Nb-91g
41-Nb-91m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
2
4
6
8
10^1
10^2
21
Incident Energy (MeV)
43-Tc-95


MAT 4313
(n,2p)
43-Tc-95
Radionuclide Production Cross Section
43-Tc-97g
43-Tc-97m1
Cross Section (barns)
Incident Energy (MeV)
22
43-Tc-95


MAT 4313
(n,p) d
43-Tc-95
Radionuclide Production Cross Section
43-Tc-96g
43-Tc-96m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
23
Incident Energy (MeV)
43-Tc-95


MAT 4313
(n,p) t
43-Tc-95
Radionuclide Production Cross Section
43-Tc-95g
43-Tc-95m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
3
4
5
6
7
8
9
10^2
2
24
Incident Energy (MeV)
43-Tc-95


MAT 4313
(n,d) α
43-Tc-95
Radionuclide Production Cross Section
42-Mo-93g
42-Mo-93m16
Cross Section (barns)
10-8
10-10
10-12
10-14
5
2
3
4
5
6
7
8
9
10 2
2
25
Incident Energy (MeV)
43-Tc-95